Runhe(Leo) Lu

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EDUCATION

2019 - 2021	**UNIVERSITY OF SOUTHERN CALIFORNIA(3.575/4.0)**	**Los Angeles, CA**
	Master of Science in Computer Science	

2017 - 2019	**UNIVERSITY OF MICHIGAN (3.74/4.0)**	**Ann Arbor, MI**
	Bachelor of Science in Data Science	

2015 - 2017	**SHANGHAI JIAOTONG UNIVERSITY(3.50/4.0)**	**Shanghai, CN**
	Bachelor of Science in Electrical and Computer Engineering	

SKILLS

- Java, Python, JavaScript, CSS, HTML, SQL, C++
- Data Structure & Algorithm, Web Development, Mobile App Development
- React.js, Node.js, Android, Flask, Guice

WORK EXPERIENCE

05.2020 – 08.2020   **AMAZON.COM**   **Seattle, WA**
Software Development Engineer Intern **(Java, JavaScript, HTML, CSS)**
- Refactored a website to display the visual result of Amazon's Cartonization algorithm using **HTML**, **CSS** and **Angular.js** to display more information.
- Designed 2 **database** schema using **DynamoDB** to store the item attributes.
- Optimized an integration test pipeline of Amazon ultra fast fulfillment service by **50%** by converting the service from synchronous to **asynchronous programming** in **Java.**

09.2018 – 12.2018   **SCHOOL OF INFORMATION, UNIVERSITY OF MICHIGAN**   **Ann Arbor, MI**
Software Development Engineer & Research Assistant **(Python, JavaScript)**
- Developed 2 **user interfaces** and 6 **extensions** via **bootstrap** for **Jupyter Notebook**, which lets mentors design, test, and publish their questions and quizzes.
- Designed 2 relational **database** structure using **MySQL** to store the mentors' questions and students' answers, and backend **REST** API using Python **Flask**
- Deployed 3 versions of backend APIs and frontend extensions on **AWS**. Over 100 students are using these extensions on course: https://www.coursera.org/specializations/data-science-python

PROJECTS

2020   **NYT Guardian News Website (JavaScript, CSS, HTML)**
https://github.com/leolurunhe/NYT_Guardian_News_Web
- A news website shows news from Guardian or New York Times based on user selection
- Support searching keywords and bookmarking favourite news.
- **Node.js** APIs and **React.js** front-end framework
- **Responsive** website for mobile devices and desktop

2020   **News App (Java, Android)**
https://github.com/leolurunhe/Android_News_App
- An **android app** displaying news from Guardian.
- Support **searching** news based on categories and keywords.
- Showing weather info based on users' location.
- Displaying trends graph for keywords using Google trends API.